



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Masahiro YASUKAWA

Group Art Unit: 2871

Application No.: 10/021,012

Examiner: Mike Zhi Qiang Qi

Filed: December 19, 2001

Docket No.: 040076.01

For: LIQUID CRYSTAL PANEL SUBSTRATE, LIQUID CRYSTAL PANEL, AND ELECTRONIC  
DEVICE AND PROJECTION DISPLAY DEVICE USING THE SAME

FOURTH INFORMATION DISCLOSURE STATEMENT

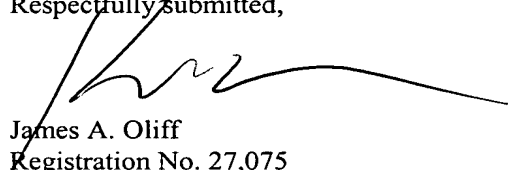
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 3. An English-language Abstract of the non-English language reference is attached hereto.
- ☒ 4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([http://www.jpo.go.jp]), and is attached, but has not been reviewed for accuracy. See Reference 2.
- ☒ 5. The Karl H. Guenther et al. article was cited in a previous Information Disclosure Statement filed December 19, 2001 and therefore is not included again herewith.

Respectfully submitted,

  
James A. Oliff  
Registration No. 27,075

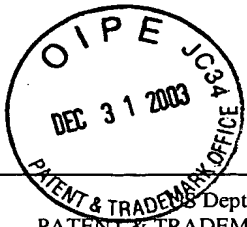
Kevin M. McKinley  
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JAO:KMM/gam  
Date: December 31, 2003

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(REV. 8-83)U.S. Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
040076.01APPLICATION NO.  
10/021,012

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)  
Masahiro YASUKAWAFILING DATE  
December 19, 2001GROUP  
2871

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	1	EP 0 689 085 A2	12/27/1995	Europe		
	2	JP-A-8-328034 (w/English abstract & JPO translation)	12/13/1996	Japan		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	3	A. O'HARA et al., "Mirror quality and efficiency improvements of reflective spatial light modulators by the use of dielectric coatings and chemical-mechanical polishing", <i>Applied Optics</i> , Vol. 32, No. 28, October 1, 1993, pp. 5549-5556.

EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: December 31, 2003